

Supplementary Materials: Bioavailability Assessment of Metals from the Coastal Sediments of Tropical Estuaries Based on Acid-Volatile Sulfide and Simultaneously Extracted Metals

Table 1. ICP OES operating conditions, detection limits and recoveries obtained for the determination of metals in acid extractions carried out in sediments.

Parameters	Value
Incident Power (W)	1.200
Plasma Gas Flow (L min ⁻¹)	12
Coating Gas Flow (L min ⁻¹)	0,2
Misting gas flow (L min ⁻¹)	0,02
Nebulizer pressure (bar)	1,0
Sample Input Flow (mL min ⁻¹)	1,0
Integration Time (s)	1
Resolution	High
Wavelength (nm)	Cd: $\lambda = 226,502$
	Cu: $\lambda = 324,750$
	Fe: $\lambda = 259,940$
	Mn: $\lambda = 257,610$
	Ni: $\lambda = 231,604$
	Pb: $\lambda = 220,353$
	Zn: $\lambda = 231,856$
Detection Limits (mg Kg ⁻¹)	Cd: 0,01
	Cu: 0,01
	Fe: 13,0
	Mn: 0,18
	Ni: 0,01
	Pb: 0,02
	Zn: 0,02
Concentrations in certified sample (mg Kg ⁻¹)	Cu: 2.428
	Fe: 252.687
	Mn: 266
	Ni: 103
	Pb: 529
	Zn: 1.172
Certified Value (SRM NIST 2782) (mg Kg ⁻¹)	Cu: 2.435 ± 47
	Fe: 254.000 ± 16.000
	Mn: 258 ± 15
	Ni: $95,9 \pm 4,7$
	Pb: 554 ± 36
	Zn: 1.167 ± 57
Method Recovery (%)	Cu: 99,7
	Fe: 99,5
	Mn: 103,1
	Ni: 107,4
	Pb: 95,5
	Zn: 100,4